

TASK ANALYSIS
AEC IV (M5, M6, M9)

November 1, 2004
TG-17-2004-IBC, Appendix E-4

MODULES (M)	Module Tasks & Representative Subtasks		Percent of All Tasks
MODULE 5: Clark County Codes, Foundation plans & construction staking			15%
TASK M 5.1	- 2000 International Building Code (IBC)		
Subtasks:	1	Chapter 17, Section 1704.8 Pile Foundations	
TASK M 5.2	- 2004 Building Administrative Code of Clark County (BAC)		
Subtasks:	1	22.02.520 Approved Special Inspector	
Subtasks:	1	22.02.525 Duties and Responsibilities of the Quality Assurance Agency and Special Inspector	
TASK M 5.3	- Technical Guidelines (TG)		
	1	TG-20 (Current Release): Special Inspector Responsibilities	
TASK M 5.4	- Quality Systems Manual (QSM)		
Subtasks:	1	Project documentation & communication	
	2	Safety on the job	
TASK M 5.5	- General		
Subtasks:	1	Units of measurement, conversions and basic arithmetic	
TASK M 5.6	-		
Subtasks:	1	Identification of natural, existing, and design contours	
	2	Identification of Cut/fill line	
	3	Identification of cut/fill transition	
	4	Identification of cut areas	
	5	Identification of fill areas	
	6	Identification of extent of grading within the Permit Area	
	7	Understand foundation plan details	
TASK M 5.7	- Construction Staking		
Subtasks:	1	Understand the use of construction or surveys stakes	
	2	Identify various markings used on construction or survey stakes	
MODULE 6: Drilling & Driving Equipment			10%
TASK M 6.1	- Drilling Equipment		
TASK M 6.2	- Driving Equipment		

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MODULES (M)	Module Tasks & Representative Subtasks	Percent of All Tasks
MODULE 9: Deep Foundation Inspection 75%		
TASK M 9.1 - Deep Foundations General		
Subtasks:	1 Understand recommendations dealing with deep foundation construction	
	2 Understand and use boring logs	
	3 Identify and verify basis of design	
	4 Ability to read plans and specifications	
	5 Be familiar with subsurface conditions	
	6 Type of information required to be documented for the various types of deep foundations	
	7 Be familiar with job and OSHA safety requirements	
	8 Ability to perform basic arithmetic	
	9 Be familiar with various tools necessary for inspection	
	10 Be familiar with various equipment used during the construction of deep foundation	
TASK M 9.2 - Inspection of Drilled Piers and Drilled Piles		
Subtasks:	1 Understand recommendations dealing with pile foundation construction	
	2 Equipment	
	3 Inspection, measurements and visual verification	
	4 Materials sampling & Testing	
	5 Concreting	
TASK M 9.3 - Inspection of Driven Piles		
Subtasks:	1 Understand recommendations dealing with pile foundation construction	
	2 driving Equipment	
	3 Inspection, measurements and visual verification	
<div> <div></div> <div>Number of Tasks is</div> <div>11</div> </div>		<div>Total AEC IV</div> <div>100%</div>